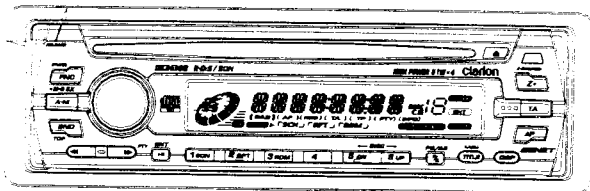


# Service Manual

NET



**RDS-EON FM/MW/LW**  
**Radio CD Combination**  
**with DVD/MD/CD Changer/**  
**DAB / TV Control**

Model

**DXZ438R**

( PE-2555E-A )

## SPECIFICATIONS

### Radio section

Tuning system: PLL synthesizer tuner  
 Receiving frequencies: FM : 87.5 to 108 MHz  
 (0.05 MHz steps)  
 MW : 531 to 1602 kHz  
 (9 kHz steps)  
 LW : 153 to 279 kHz  
 (3 kHz steps)

### CD player section

System: Compact disc digital audio system  
 Frequency response: 10 Hz to 20 kHz (+1/-1 dB)  
 Signal to noise ratio: 100 dB (1 kHz) IHF-A  
 Dynamic Range: 95 dB (1 kHz)  
 Distortion: 0.01%

### General

Output power : 27 W x 4  
 (DIN45324, +B=14.4 V)  
 Power supply voltage: 14.4 V DC (10.8 V to 15.6 V allowable),  
 negative ground  
 Power consumption: Less than 15 A  
 Speaker impedance: 4ohm(4ohm to 8ohm allowable)  
 Auto antenna rated current:  
 500 mA or less  
 Weight: 1.2 kg  
 Dimensions: 178(W) x 50(H) x 155(D)mm

\* Specifications and design are subject to change without notice  
 for further improvement.

## NOTE

- \* We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- \* CD-ROM discs cannot be played by this unit.

## COMPONENTS

### PE-2555E-A

Main unit	-----	1
Mounting bracket	300-7742-00	1
DCP case	335-6035-20	1
Escutcheon(OUT-ES)	370-6029-00	1
Parts bag	-----	
Removal key	331-2497-00	2
Rubber part	345-3653-20	1
Screw	716-0726-01	1
A- lead	850-6681-50	1

## FEATURES

- 1.1-Bit D/A Converters and 8-Times Oversampling Digital Filter.
2. DIN Chassis with Detachable Control Aluminum Face with Blue Negative LC Display.

## To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

### 1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

### 2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection. If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

### 3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

### 4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

### 5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

### 6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270 °C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

### 7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

### 8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

### 9. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

#### 9-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

#### 9-2. Actuator

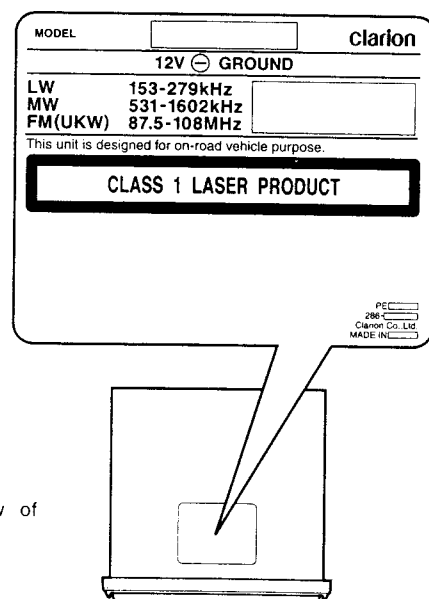
The actuator has a powerful magnetic circuit. If a magnetic material is put close to it, its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

#### 9-3. Cleaning the lens

Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

## CAUTIONS

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the enclosure.



Bottom view of Main Unit

## NOTES OF ISO CONNECTOR

1. For VW and Audi vehicles, change the position of fuse installation as shown on the diagram. (Figure 1)

### ISO CONNECTOR type

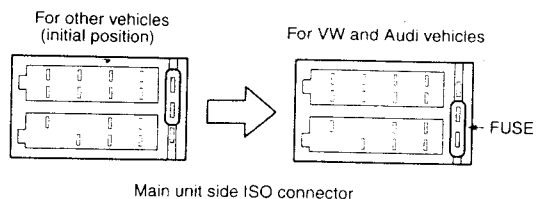


Figure 1

Note: Before cutting the lead wire, disconnect the car battery - (negative) cable.

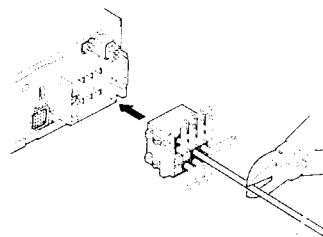


Figure 2

2. When the car stereo is installed in 1998 and later Volkswagen models, make sure to cut the car lead wire connected the A-5 terminal. (A breakdown could occur if the lead wire is not cut.) After cutting the lead wire, insulate the front end of the lead wire with insulation tape to prevent the risk of short-circuits. (Figure 2)

3. When the Main unit is also connected to an external amplifier in a wiring procedure, connect REMOTE on the external amplifier to the previously cut lead wire on the side of the connector.

## TROUBLESHOOTING

Problem	Cause	Measure
Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage as the old fuse.
	Incorrect wiring.	Read the attached "Installation/Wire Connection Guide" once again and wire properly.
No sound output when operating the unit with amplifiers or power antenna attached.	Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.	<ol style="list-style-type: none"> <li>1. Turn the unit off.</li> <li>2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter.</li> <li>3. Turn the unit back on.</li> <li>4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage (excessive current required.)</li> </ol>
Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press the [RELEASE] button and remove the DCP. Press the reset button for about 2 seconds with a thin rod. <div data-bbox="1173 1451 1372 1630" data-label="Image"> <p>Reset button</p> </div>
	DCP or main unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
Compact disc cannot be loaded.	Another compact disc is already loaded.	Eject the compact disc before loading the new one.
Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
	Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.

## ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.

Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
<b>CD</b>	ERROR 2	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism.
	ERROR 3	A CD cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
<b>CD CH</b>	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
<b>MD CH</b>	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.
<b>DVD CH</b>	ERROR 2	A DISC inside the DVD changer cannot be played.	This is a failure of DVD mechanism.
	ERROR 3	A DISC cannot be played due to scratches, etc.	Retry or replace with a non-scratched, non-warped-disc.
	ERROR 6	A DISC inside the DVD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
	ERROR P	Parental level error.	Set the correct Parental level.
	ERROR R	Region code error.	Eject the disc and replace correct region code disc.

If an error display other than the ones described above appears, press the reset button.



# EXPLANATION OF IC:

M30624MGA-156GP 052-3928-00 MASTER MICRO COMPUTER

## 1. Outward Form : 100 pins QFP

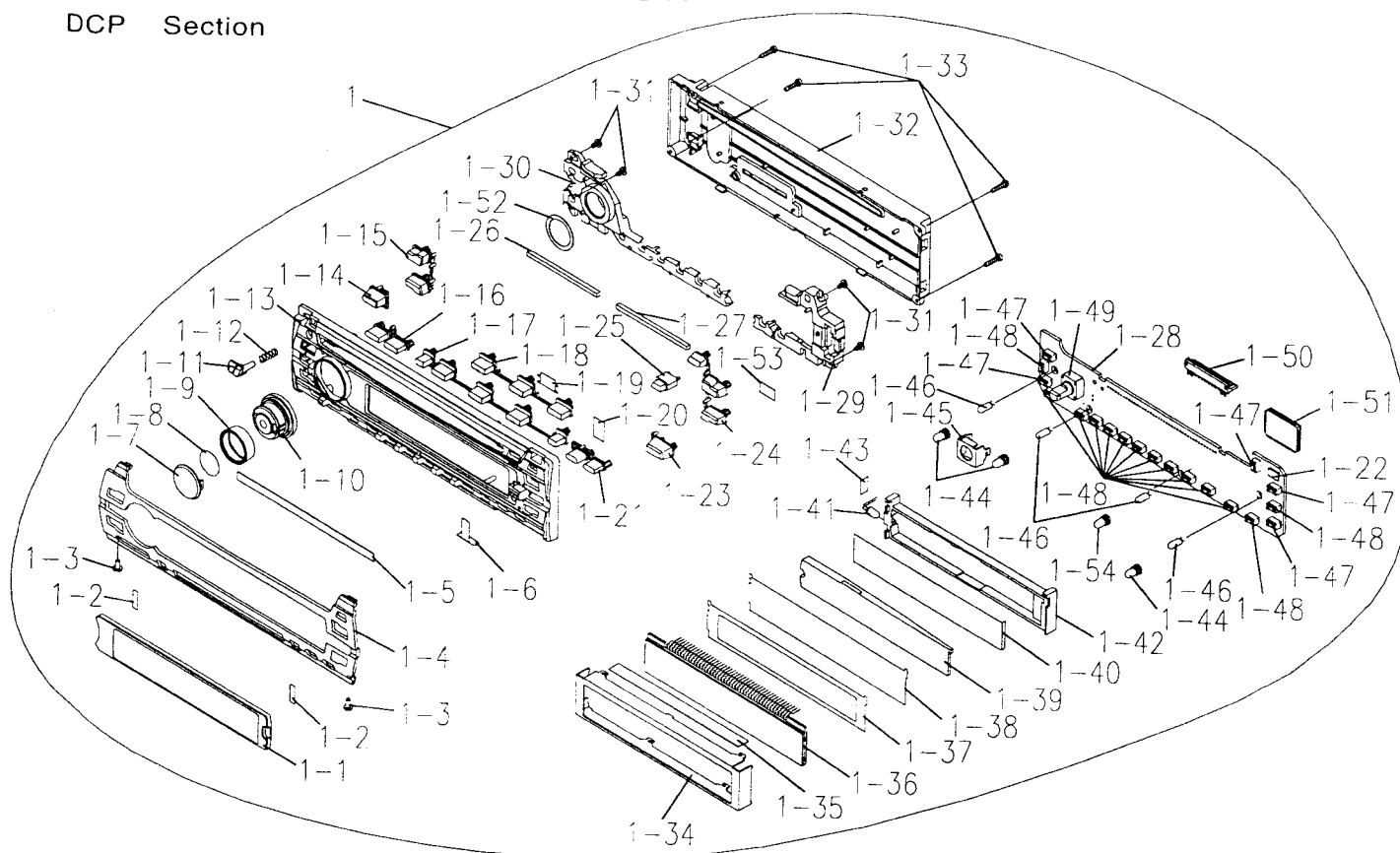
### 2. Terminal Description

pin 1 : REMOCON : IN : Remote controller signal input terminal.  
pin 2 : T-BASE : IN : Time base pulse input.  
pin 3 : CD SBSY : IN : Sub-Q data request input from the CD IC.  
pin 4 : RDS DATA : IN : RDS serial data input.  
pin 5 : RDS CLK : IN : RSD clock pulse input.  
pin 6 : BYTE : - : Input " L " at single mode operation.  
pin 7 : CN VSS : - : Input " L " at single mode operation.  
pin 8 : FM\_ST/SD : IN : At receiving the FM station, this port detects the stereo signal. And at seeking or scanning, this port detects the station detection signal.  
pin 9 : NC : IN : Not in use.  
pin 10 : RESET : - : Reset signal input.  
pin 11 : XOUT : - : Crystal connection.  
pin 12 : VSS : - : Negative supply voltage.  
pin 13 : X IN : - : Crystal connection.  
pin 14 : VCC : - : Positive supply voltage.  
pin 15 : NC : IN : Not in use.  
pin 16 : ACC DET : IN : ACC detection signal input.  
pin 17 : B/U DET : IN : Backup detection signal input.  
pin 18 : KEY INT : IN : Key interrupting signal input.  
pin 19 : 27P CONE : IN : Connected to 27 pin.  
pin 20 : B/L\_ON : O : Not in use.  
pin 21 : KEY\_ILL\_REM : O : Key illumination ON signal output.  
pin 22 : BEEP : O : Not in use.  
pin 23 : NC : O : Not in use.  
pin 24 : VCOLOR-G : O : Not in use.  
pin 25 : EVOL DATA : O : Serial data output to the E VOL IC.  
pin 26 : VCOLOR-R : O : Not in use.  
pin 27 : IE BUS RX : IN : IE Bus serial data input.  
pin 28 : IE BUS TX : O : IE Bus serial data output.  
pin 29 : EMU-TX : O : EMULATOR communicate line.  
pin 30 : EMU-RX : IN : EMULATOR communicate line.  
pin 31 : FLASHMODE : IN : Connected to GND.  
pin 32 : NC : O : Not in use.  
pin 33 : EVOL CLK : O : Clock pulse output to the E VOL IC.  
pin 34 : A-MAS 2 : O : Not in use.  
pin 35 : A-MAS 1 : O : Not in use.  
pin 36 : DISP DIM : O : Back light control.  
pin 37 : CTRL : O : Power IC control.  
pin 38 : SYS ACC : O : ACC detect signal output.  
pin 39 : FLASHMODE : IN : Connected to GND.  
pin 40 : 5V REM : O : 5V power supply ON signal output.  
pin 41 : NC : O : Not in use.  
pin 42 : A-REMOUT : O : Internal audio amplifier ON signal output.  
pin 43 : PHONE INT : IN : Telephone interrupt signal input.  
pin 44 : FLASHMODE : IN : Connected to VDD.  
pin 45 : ILL DET : IN : Illumination ON signal input.  
pin 46 : AMPMUTE : O : Muting signal output to the Audio Power Amplifier.  
pin 47 : SYSMUTE : O : System muting signal output.  
pin 48 : NAVIMUTE : O : Not in use.  
pin 49 : ZMUTECUT : O : Command pulse output to cut the CD zero cross mute signal.  
pin 50 : B/L+B : O : LCD display control.  
pin 51 : LCD CLK : O : Serial data clock output to LCD driver.  
pin 52 : LCD SO : O : Serial data output to the LCD driver.  
pin 53 : LCD SI : IN : Serial data input from the LCD driver.  
pin 54 : LCD CE : O : The chip enable serial output to the LCD driver.  
pin 55 : JOGA(CW) : IN : JOG pulse input.  
pin 56 : JOGB(CCW) : IN : JOG pulse input.  
pin 57 : INIT1 : IN : Not in use.  
pin 58 : INIT2 : IN : Not in use.  
pin 59 : INIT3 : IN : Model distinguish.  
pin 60 : VDD : - : Positive supply voltage.  
pin 61 : INIT4 : IN : Model distinguish.  
pin 62 : GND : - : Connect to GND.  
pin 63 : OFFSET DET : IN : Speaker distroied protect.

pin 64 : NC : IN : Not in use.  
pin 65 : NC : IN : Not in use.  
pin 66 : NC : IN : Not in use.  
pin 67 : NC : IN : Not in use.  
pin 68 : NC : IN : Not in use.  
pin 69 : NC : IN : Not in use.  
pin 70 : NC : IN : Not in use.  
pin 71 : NC : IN : Not in use.  
pin 72 : NC : IN : Not in use.  
pin 73 : LD MUTE : O : Connected to CD MECHA.  
pin 74 : LD CON : I/O : Connected to CD MECHA.  
pin 75 : TR-A : IN : Photo sensor signal input from the CD MECHA.  
pin 76 : TR-B : IN : Photo sensor signal input from the CD MECHA.  
pin 77 : CHU SW : IN : Connected to CD MECHA.  
pin 78 : SSTOP : IN : Connected to CD MECHA.  
pin 79 : CD RESET : O : The reset pulse output to the CD IC.  
pin 80 : CCE : O : Chip enable signal output.  
pin 81 : BUCK : O : Clock pulse output to the CD IC.  
pin 82 : BUS3 : I/O : Communication line with the CD IC.  
pin 83 : BUS2 : I/O : Communication line with the CD IC.  
pin 84 : BUS1 : I/O : Communication line with the CD IC.  
pin 85 : BUS0 : I/O : Communication line with the CD IC.  
pin 86 : CD 5V : O : Power supply control signal output for the CD IC/DAC IC. " H " =ON.  
pin 87 : PLL\_CLK : O : Clock pulse output to the PLL IC.  
pin 88 : PLL\_SI : IN : Serial data input from the PLL IC.  
pin 89 : PLL\_SO : O : Serial data output to the PLL IC.  
pin 90 : PLL\_CE : O : The chip enable signal output to the PLL IC.  
pin 91 : RDS\_TEST\_ST : O : Outputting " H " without the test mode.  
pin 92 : S-METER : IN : The input terminal of internal A/D converter to monitor the radio field strength.  
pin 93 : NOISE 1 : IN : Input terminal of internal ADC to sense the RDS-noise-level.  
pin 94 : GND : - : Connected to GND.  
pin 95 : KEY A/D : IN : Input terminal of A/D converter for Key judgment.  
pin 96 : VREF : - : Reference voltage.  
pin 97 : A VDD : - : Positive supply voltage for the Analog section.  
pin 98 : MUTE\_SPEED\_UP : O : Station detection speed up command output fo RDS.  
pin 99 : RDS\_MUTE : O : RDS mute signal output.  
pin 100 : RDS\_DCHG : O : RDS dis-charge signal output.

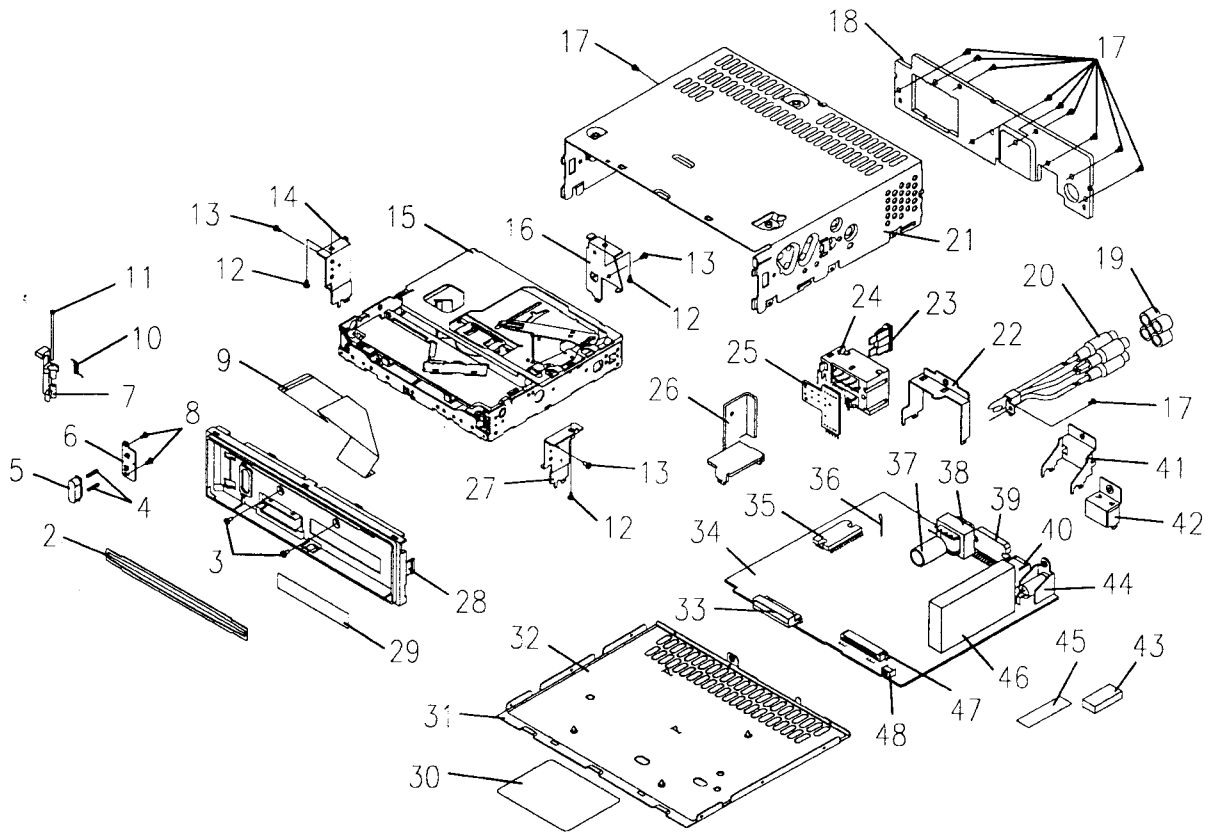
# EXPLODED VIEW • PARTS LIST:

DCP Section



NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	DCP-441-700	DCP ASSY	1	1-28	039-2296-00	SWITCH PWB (WITHOUT COMPONENT)	1
1-1	373-1000-01	DIAL-CVR	1	1-29	335-6895-00	ILLUMI PLATE(R)	1
1-2	347-6813-00	DOUDLE FACE	2	1-30	335-6896-00	ILLUMI PLATE(L)	1
1-3	778-6019-01	SCREW	2	1-31	716-1764-00	PAD SCREW	4
1-4	371-5735-04	FACE PANEL	1	1-32	335-6897-00	REAR-CVR	1
1-5	347-6990-00	DOUDLE FACE	1	1-33	716-0872-11	PAD SCREW(M1.7x6)	4
1-6	347-6995-00	SURGE FILM	1	1-34	331-3572-00	LCD-COVER	1
1-7	380-5553-00	KNOB	1	1-35	347-7014-00	FILM	1
1-8	347-6988-00	DOUDLE FACE	1	1-36	379-1263-41	LCD	1
1-9	345-5228-00	RUBBER RING	1	1-37	347-6997-00	BLACK FILM	1
1-10	380-5551-00	INNER KNOB	1	1-38	347-6998-00	LCD FILM	1
1-11	382-6615-02	BUTTON(RELEASE)	1	1-39	335-6882-00	ILLUMI PLATE	1
1-12	750-6743-00	SPRING	1	1-40	347-6991-00	REFLECTPR	1
1-13	370-6028-00	ESCUTCHEON(F)	1	1-41	001-7046-00	DIODE	1
1-14	382-6608-00	BUTTON(A-M)	1	1-42	335-6892-00	LCD-HOLDER	1
1-15	382-6606-01	BUTTON(FNC/BND)	1	1-43	347-6698-00	SHADE	1
1-16	382-6609-00	BUTTON(FF/FB)	1	1-44	345-7148-20	LAMP CAP	3
1-17	382-6610-01	BUTTON(E/1/3/5/P)	1	1-45	331-3337-00	VR-HOLDER	1
1-18	382-6611-00	BUTTON(2/4/6)	1	1-46	017-0444-00	PILOT LAMP(14V 50mA)	4
1-19	347-6994-00	SHADE FILM	1	1-47	013-6507-50	LUMI SWITCH	5
1-20	347-6993-00	SHADE FILM	1	1-48	013-6312-50	SWITCH	14
1-21	382-6612-00	BUTTON(T/D)	1	1-49	016-9900-84	VR W/SHAFT	1
1-22	060-4017-90	IR-RECIEVER	1	1-50	076-0615-00	PLUG	1
1-23	382-6613-00	BUTTON(TA)	1	1-51	051-6066-00	IC	1
1-24	382-6607-01	BUTTON(Z/AF/EJ)	1	1-52	347-7676-00	FILM	1
1-25	335-6898-00	IR-FILTER	1	1-53	347-7666-00	SHADE	1
1-26	347-6996-00	CUSHION	1	1-54	347-3814-87	LAMP CAP	1
1-27	347-6989-00	CUSHION	1				

# Main Section



NO.	PARTS NO.	DESCRIPTION	Q'TY
2	346-0097-00	LEATHER SHEET	1
3	780-2607-02	MACHINE SCREW(M2.6x7)	2
4	750-3173-00	SPRING	2
5	382-4078-00	BUTTON (P-OUT)	1
6	331-2594-00	HOOK PLATE	1
7	335-5915-01	HOOK	1
8	716-0778-00	SCREW(M2x6)	2
9	816-2627-50	FALT WIRE	1
10	750-3219-00	SPRING(F-HOOK)	1
11	341-1627-00	SHAFT	1
12	714-3004-81	MACHINE SCREW(M3x4)	3
13	714-2603-80	MACHINE SCREW(M2.6x3)	3
14	331-3570-00	MECH-SUB-BRKT( L)	1
15	929-0221-80	CD-MECH-MODULE	1
16	331-3427-00	MECH BRKT( B)	1
17	714-3006-81	MACHINE SCREW(M3x6)	11
18	313-1866-00	HEAT SINK	1
19	345-3799-20	RUBBER PART	4
20	855-5428-50	RCA-PIN-CORD	1
21	310-1778-00	UPPER CASE	1
22	331-3562-01	CONNECTOR-HOLD	1
23	060-0057-57	AUTO FUSE(15A)	1
24	074-1285-00	OUTLET SOCKET	1
25	039-1400-30	ISO PWB (WITHOUT COMPONENT)	1

NO.	PARTS NO.	DESCRIPTION	Q'TY
26	313-1867-00	HEAT SINK	1
27	331-3569-00	MECH-SUB-BRKT( R)	1
28	370-6027-00	ESCUTCHEON(I)	1
29	291-0067-00	STICKER	1
30	286-6123-00	SETPLATE	1
31	311-1859-02	LOWER CASE	1
32	347-6880-00	INSULATOR	1
33	074-1217-00	OUTLET SOCKET	1
34	039-2297-00	MAIN PWB (WITHOUT COMPONENT)	1
35	051-3297-10	IC	1
36	321-1036-00	CLAMP	1
37	042-0447-00	ALUMI-ELE-C	1
38	009-9006-60	CHOKE	1
39	051-2050-00	IC	1
40	074-1194-00	OUTLET SOCKET	1
41	331-3560-01	IC HOLDER	1
42	331-3567-00	CONNECTOR-HOLD	1
43	345-5312-00	CUSHION	1
44	092-4000-51	ANT-RECEPT	1
45	347-6341-00	E-SHEET	1
46	880-2090C	TUNER	1
47	074-1237-76	OUTLET SOCKET	1
48	013-6103-00	TACT SWITCH	1



# ELECTRICAL PARTS LIST

Main PWB section (B1)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C 2	166-2201-50	50V 22pF	C 131	172-3331-15	50V 0.033uF	C 616	183-1063-37	16V 10uF
C 3	166-2201-50	50V 22pF	C 132	172-3331-15	50V 0.033uF	C 617	182-2263-37	16V 22uF
C 4	168-1032-55	50V 0.01uF	C 133	172-3331-15	50V 0.033uF	C 619	166-1011-50	50V 100pF
C 6	168-2232-55	25V 0.022uF	C 134	172-3331-15	50V 0.033uF	C 624	166-1011-50	50V 100pF
C 8	182-4753-57	35V 4.7uF	C 135	172-3331-15	50V 0.033uF	C 801	168-2232-55	25V 0.022uF
C 9	168-1032-55	50V 0.01uF	C 136	172-3331-15	50V 0.033uF	C 802	166-8211-50	50V 820pF
C 10	168-1022-55	50V 1000pF	C 137	172-3331-15	50V 0.033uF	C 803	166-6811-50	50V 680pF
C 11	182-1053-67	50V 1uF	C 140	182-2256-55	35V 2.2uF	C 804	168-1032-55	50V 0.01uF
C 12	168-3332-78	25V 0.033uF	C 141	182-2256-55	35V 2.2uF	C 805	168-2232-55	25V 0.022uF
C 13	168-1832-55	25V 0.018uF	C 142	182-2256-55	35V 2.2uF	C 806	182-2253-67	50V 2.2pF
C 14	168-1832-55	25V 0.018uF	C 143	182-2256-55	35V 2.2uF	C 807	166-3311-50	50V 330pF
C 17	182-4763-35	16V 47uF	C 210	182-2263-17	35V 2.2uF	C 808	166-4701-50	50V 47pF
C 18	168-2232-55	25V 0.022uF	C 214	042-0447-00	16V 2200uF	C 809	166-5601-50	50V 56pF
C 21	182-1073-35	16V 100uF	C 222	182-4763-39	16V 47uF	C 810	166-5611-50	50V 560pF
C 22	182-4763-35	16V 47uF	C 223	172-2231-15	50V 0.022uF	C 811	182-4763-17	6.3V 47uF
C 23	168-1222-55	50V 1200pF	C 224	182-2263-37	16V 22uF	C 812	168-1045-56	50V 0.1uF
C 24	168-1045-56	50V 0.1uF	C 225	182-1073-39	16V 100uF	D 102	001-0466-90	S5688B
C 25	182-1053-67	50V 1uF	C 227	182-1063-37	16V 10uF	D 103	001-0466-90	S5688B
C 26	168-8222-55	50V 8200pF	C 228	182-4763-39	16V 47uF	D 104	001-0466-90	S5688B
C 27	182-4763-19	6.3V 47uF	C 229	182-1063-37	16V 10uF	D 105	001-0466-90	S5688B
C 28	168-1032-55	50V 0.01uF	C 230	173-1021-18	50V 1000pF	D 106	001-0466-90	S5688B
C 29	166-1011-50	50V 100pF	C 243	182-1073-29	10V 100uF	D 107	001-0466-90	S5688B
C 30	166-1011-50	50V 100pF	C 244	182-1073-17	6.3V 100uF	D 108	001-0466-90	S5688B
C 31	166-3311-50	50V 330pF	C 246	168-1032-55	50V 0.01uF	D 109	001-0466-90	S5688B
C 32	166-1801-50	50V 18pF	C 458	182-2263-17	6.3V 22uF	D 110	001-0347-41	MA4075M
C 33	166-1801-50	50V 18pF	C 459	182-2263-17	6.3V 22uF	D 201	001-0466-90	S5688B
C 34	166-1011-50	50V 100pF	C 460	182-2263-17	6.3V 22uF	D 202	001-0516-90	MA111
C 35	168-1032-55	50V 0.01uF	C 461	182-2263-17	6.3V 22uF	D 203	001-0592-00	RM4Z
C 36	168-1032-55	50V 0.01uF	C 500	182-1053-67	50V 1uF	D 204	001-0466-90	S5688B
C 37	168-1022-55	50V 1000pF	C 501	182-1053-67	50V 1uF	D 221	001-0516-90	MA111
C 101	166-1011-50	50V 100pF	C 502	182-1053-67	50V 1uF	D 225	001-0466-91	S5688G
C 102	178-2242-78	25V 0.22uF	C 503	182-1053-67	50V 1uF	D 501	001-0516-90	MA111
C 103	178-2242-78	25V 0.22uF	C 504	182-1063-37	16V 10uF	D 502	001-0516-90	MA111
C 104	178-2242-78	25V 0.22uF	C 505	182-1063-37	16V 10uF	D 503	001-0347-23	MA4043M
C 105	178-2242-78	25V 0.22uF	C 506	182-1063-37	16V 10uF	D 603	001-0516-90	MA111
C 106	182-4763-39	16V 47uF	C 507	182-1063-37	16V 10uF	D 606	001-0516-90	MA111
C 107	182-2263-37	16V 22uF	C 512	182-4763-19	6.3V 47uF	D 610	001-0516-90	MA111
C 108	172-2231-15	50V 0.022pF	C 514	182-1063-37	16V 10uF	D 611	001-0516-90	MA111
C 109	182-2253-67	50V 2.2pF	C 515	182-4763-39	16V 47uF	D 801	001-0516-90	MA111
C 118	166-1011-50	50V 100pF	C 516	168-1045-56	50V 0.1uF	D 802	001-0516-90	MA111
C 119	166-1011-50	50V 100pF	C 517	168-4722-55	50V 4700pF	IC 1	051-6201-90	LC72146M
C 120	166-4711-50	50V 470pF	C 518	168-4722-55	50V 4700pF	IC 101	051-2050-00	LA47532
C 121	166-4711-50	50V 470pF	C 519	182-1053-67	50V 1uF	IC 102	051-3297-10	BA4916-V2
C 122	166-4711-50	50V 470pF	C 520	182-1053-67	50V 1uF	IC 501	051-5028-90	TDA7409
C 123	166-4711-50	50V 470pF	C 543	166-1011-50	50V 100pF	IC 502	051-0350-93	NJM4558M
C 124	166-4711-50	50V 470pF	C 544	166-1011-50	50V 100pF	IC 505	051-5437-08	S-80821CNMC
C 125	166-4711-50	50V 470pF	C 545	166-1011-50	50V 100pF	IC 601	052-3928-00	M30624MG A-156GP
C 126	166-4711-50	50V 470pF	C 546	166-1011-50	50V 100pF	IC 602	051-6600-38	CA0008AM
C 127	166-4711-50	50V 470pF	C 601	042-0650-00	5.5V 0.1F	IC 801	051-0350-93	NJM4558M
C 128	166-1011-50	50V 100pF	C 612	168-4732-78	25V 0.047uF	IC 802	051-4607-90	SAA6581T
C 129	166-1011-50	50V 100pF	C 614	168-1032-55	50V 0.01uF	J 601	074-1194-00	OUTLET SOCKET
C 130	172-3331-15	50V 0.033uF	C 615	042-0577-00	6.3V 100uF			

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
J 602	074-1237-76	OUTLET SOCKET	R 6	119-4721-15	1/16W 4.7Kohm	R 479	119-3311-15	1/16W 330ohm
J 604	074-1217-00	OUTLET SOCKET	R 7	119-5621-15	1/16W 5.6Kohm	R 481	119-1021-15	1/16W 1Kohm
L 1	010-2003-04	COIL	R 8	119-1021-15	1/16W 1Kohm	R 482	119-1021-15	1/16W 1Kohm
L 2	010-2230-88	220uH	R 9	119-1031-15	1/16W 10Kohm	R 501	032-0140-58	1/10W 51Kohm(F)
L 3	010-2285-56	BLM21B222S	R 10	116-3311-15	1/4WS 330ohm	R 502	032-0140-58	1/10W 51Kohm(F)
L 4	010-2285-56	BLM21B222S	R 11	119-1031-15	1/16W 10Kohm	R 503	032-0140-58	1/10W 51Kohm(F)
L 5	010-2230-76	22uH	R 12	119-2221-15	1/16W 2.2Kohm	R 504	032-0140-58	1/10W 51Kohm(F)
L 401	010-2285-56	BLM21B222S	R 13	119-5631-15	1/16W 56Kohm	R 505	032-0140-51	1/10W 15Kohm(F)
L 402	010-2285-56	BLM21B222S	R 14	119-1031-15	1/16W 10Kohm	R 506	032-0140-51	1/10W 15Kohm(F)
L 403	010-2285-56	BLM21B222S	R 15	119-1031-15	1/16W 10Kohm	R 507	032-0140-51	1/10W 15Kohm(F)
L 404	010-2285-56	BLM21B222S	R 16	119-1231-15	1/16W 12Kohm	R 508	032-0140-51	1/10W 15Kohm(F)
L 601	010-3100-66	2.2uH	R 17	119-5631-15	1/16W 56Kohm	R 509	119-3311-15	1/16W 330ohm
L 602	010-3100-66	2.2uH	R 18	119-1521-15	1/16W 1.5Kohm	R 537	119-8221-15	1/16W 8.2Kohm
L 603	010-3100-66	2.2uH	R 19	119-1521-15	1/16W 1.5Kohm	R 538	119-3321-15	1/16W 3.3Kohm
L 801	010-2230-88	220uH	R 20	119-1021-15	1/16W 1Kohm	R 540	119-2231-15	1/16W 22Kohm
Q 1	125-4012-90	KTD1304	R 21	119-2711-15	1/16W 270ohm	R 541	119-1021-15	1/16W 1Kohm
Q 2	125-0199-93	KRA103S	R 22	119-1041-15	1/16W 100Kohm	R 551	119-4721-15	1/16W 4.7Kohm
Q 3	125-2199-93	KRC103S	R 23	119-1031-15	1/16W 10Kohm	R 553	119-4721-15	1/16W 4.7Kohm
Q 4	125-3004-90	KTA1504S	R 24	119-1021-15	1/16W 1Kohm	R 554	119-1011-15	1/16W 100ohm
Q 5	125-3004-90	KTA1504S	R 25	119-1021-15	1/16W 1Kohm	R 555	119-1011-15	1/16W 100ohm
Q 6	198-0669-00	2SK669	R 26	119-8211-15	1/16W 820ohm	R 556	119-1011-15	1/16W 100ohm
Q 210	125-0200-96	KRA226S	R 101	119-1231-15	1/16W 12Kohm	R 557	119-1011-15	1/16W 100ohm
Q 211	125-2199-96	KRC106S	R 102	119-1031-15	1/16W 10Kohm	R 603	116-6801-15	1/4WS 68ohm
Q 227	193-1802-61	2SD1802	R 105	119-1021-15	1/16W 1Kohm	R 604	119-3321-15	1/16W 3.3Kohm
Q 228	125-4011-90	KTD863	R 106	119-3311-15	1/16W 330ohm	R 607	119-2231-15	1/16W 22Kohm
Q 250	125-0199-96	KRA106S	R 107	119-3311-15	1/16W 330ohm	R 608	119-1031-15	1/16W 10Kohm
Q 251	125-2199-96	KRC106S	R 108	119-3311-15	1/16W 330ohm	R 609	119-4731-15	1/16W 47Kohm
Q 452	125-4012-90	KTD1304	R 109	119-3311-15	1/16W 330ohm	R 610	119-4721-15	1/16W 4.7Kohm
Q 453	125-4012-90	KTD1304	R 130	116-2291-15	1/4WS 2.2ohm	R 611	119-1041-15	1/16W 100Kohm
Q 454	125-4012-90	KTD1304	R 131	116-2291-15	1/4WS 2.2ohm	R 612	119-1041-15	1/16W 100Kohm
Q 455	125-4012-90	KTD1304	R 132	116-2291-15	1/4WS 2.2ohm	R 613	119-4731-15	1/16W 47Kohm
Q 501	125-2199-96	KRC106S	R 133	116-2291-15	1/4WS 2.2ohm	R 614	119-4731-15	1/16W 47Kohm
Q 502	125-0199-96	KRA106S	R 134	116-2291-15	1/4WS 2.2ohm	R 615	119-1031-15	1/16W 10Kohm
Q 503	125-4010-90	KTC3875S	R 135	116-2291-15	1/4WS 2.2ohm	R 616	119-4711-15	1/16W 470ohm
Q 505	125-3005-90	KTA1273	R 136	116-2291-15	1/4WS 2.2ohm	R 619	119-3311-15	1/16W 330ohm
Q 506	125-2199-96	KRC106S	R 137	116-2291-15	1/4WS 2.2ohm	R 620	119-1031-15	1/16W 10Kohm
Q 507	125-2199-93	KRC103S	R 204	119-3321-15	1/16W 3.3Kohm	R 621	116-1221-15	1/4WS 1.2Kohm
Q 508	125-0199-96	KRA106S	R 205	119-1831-15	1/16W 18Kohm	R 623	119-1521-15	1/16W 1.5Kohm
Q 602	125-2199-93	KRC103S	R 207	119-1231-15	1/16W 12Kohm	R 627	119-1031-15	1/16W 10Kohm
Q 603	125-3004-90	KTA1504S	R 208	119-1011-15	1/16W 100ohm	R 628	116-1521-15	1/16W 1.5Kohm
Q 604	125-3004-90	KTA1504S	R 209	119-3311-15	1/16W 330ohm	R 634	119-1031-15	1/16W 10Kohm
Q 606	125-2199-93	KRC103S	R 210	119-1031-15	1/16W 10Kohm	R 635	119-3321-15	1/16W 3.3Kohm
Q 607	125-3007-90	KTA1298	R 211	119-2741-15	1/16W 270Kohm	R 642	119-1031-15	1/16W 10Kohm
Q 609	125-3007-90	KTA1298	R 212	119-5631-15	1/16W 56Kohm	R 643	119-5621-15	1/16W 5.6Kohm
Q 610	125-2199-93	KRC103S	R 252	116-1521-15	1/4WS 1.5Kohm	R 652	119-1811-15	1/16W 180ohm
Q 611	125-3004-90	KTA1504S	R 470	119-4721-15	1/16W 4.7Kohm	R 653	119-1811-15	1/16W 180ohm
Q 612	125-4010-90	KTC3875S	R 471	119-4721-15	1/16W 4.7Kohm	R 654	119-1811-15	1/16W 180ohm
Q 620	125-2199-93	KRC103S	R 472	119-4721-15	1/16W 4.7Kohm	R 657	119-1811-15	1/16W 180ohm
Q 801	125-2199-92	KRC102S	R 473	119-4721-15	1/16W 4.7Kohm	R 658	119-1041-15	1/16W 100Kohm
R 3	119-2221-15	1/16W 2.2Kohm	R 476	119-3311-15	1/16W 330ohm	R 659	119-4731-15	1/16W 47Kohm
R 4	119-1021-15	1/16W 1Kohm	R 477	119-3311-15	1/16W 330ohm	R 660	119-1531-15	1/16W 15Kohm
R 5	119-3311-15	1/16W 330ohm	R 478	119-3311-15	1/16W 330ohm	R 661	119-4731-15	1/16W 47Kohm

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R 662	119-2221-15	1/16W 2.2Kohm	R 801	119-3331-15	1/16W 33Kohm	SUP 1	060-0122-20	
R 663	119-1031-15	1/16W 10Kohm	R 802	119-1031-15	1/16W 10Kohm	T 101	009-9006-60	CHOKE
R 664	119-2221-15	1/16W 2.2Kohm	R 803	119-1041-15	1/16W 100Kohm	VR 101	012-4431-13	470Kohm
R 670	119-4731-15	1/16W 4.7Kohm	R 804	119-2211-15	1/16W 220ohm	X 1	061-1066-00	7.2MHZ
R 690	119-4721-15	1/16W 4.7Kohm	R 805	119-1231-15	1/16W 12Kohm	X 601	060-1505-50	10MHZ
R 691	119-4721-15	1/16W 4.7Kohm	R 806	119-3321-15	1/16W 3.3Kohm	X 801	061-3013-00	4.33MHZ
R 697	119-1031-15	1/16W 10Kohm	S 601	013-6103-00	SWITCH			

#### Switch PWB section (B2)

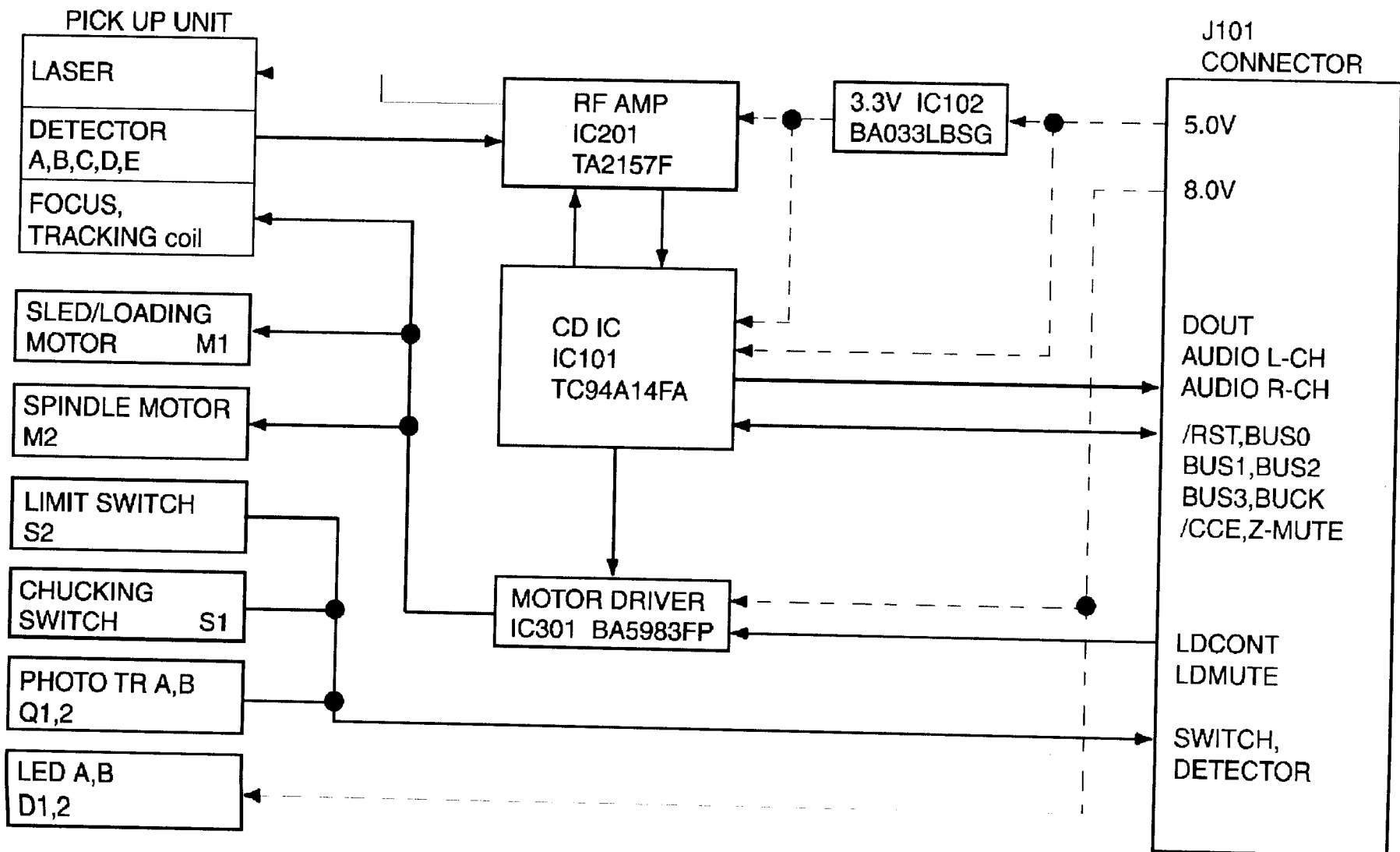
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C 702	168-4732-78	25V 0.047uF	PL 3	017-0444-00	14V 50MA	S 706	013-6312-50	SWITCH
C 703	168-4732-78	25V 0.047uF	PL 4	017-0444-00	14V 50MA	S 707	013-6312-50	SWITCH
C 704	042-0416-52	10V 10uF TAN	IR 701	060-4017-90	IRSAC11	S 708	013-6312-50	SWITCH
C 705	042-0416-52	10V 10uF TAN	R 701	119-1031-15	1/16W 10Kohm	S 709	013-6312-50	SWITCH
C 706	168-4732-78	25V 0.047uF	R 702	119-1011-15	1/16W 100ohm	S 711	013-6312-50	SWITCH
D 711	001-7046-00	DIODE	R 703	119-1021-15	1/16W 1Kohm	S 712	013-6312-50	SWITCH
D 712	001-0584-27	MA8110	R 704	119-3311-15	1/16W 330ohm	S 713	013-6312-50	SWITCH
D 713	001-0529-29	MA8051M	R 705	119-1041-15	1/16W 100Kohm	S 714	013-6507-50	LUMI SWITCH
D 714	001-0529-41	MA8075M	R 706	119-3921-15	1/16W 3.9Kohm	S 715	013-6312-50	SWITCH
D 715	001-0529-41	MA8075M	R 707	119-2711-15	1/16W 270ohm	S 716	013-6507-50	LUMI SWITCH
D 716	001-0529-41	MA8075M	S 701	013-6312-50	SWITCH	S 718	013-6507-50	LUMI SWITCH
D 717	001-0529-41	MA8075M	S 702	013-6312-50	SWITCH	S 719	013-6312-50	SWITCH
IC 701	051-6066-00	NJU6535	S 703	013-6312-50	SWITCH	S 720	013-6507-50	LUMI SWITCH
P 703	076-0615-00	PLUG	S 704	013-6312-50	SWITCH	S 721	013-6507-50	LUMI SWITCH
PL 1	017-0444-00	14V 50MA	S 705	013-6312-50	SWITCH	VR 720	016-9900-84	VREMR1514
PL 2	017-0444-00	14V 50MA						

#### ISO PWB section (B3)

REF No.	PART No.	DESCRIPTION
J903	074-1285-00	ISO
FUSE	060-0057-57	15A

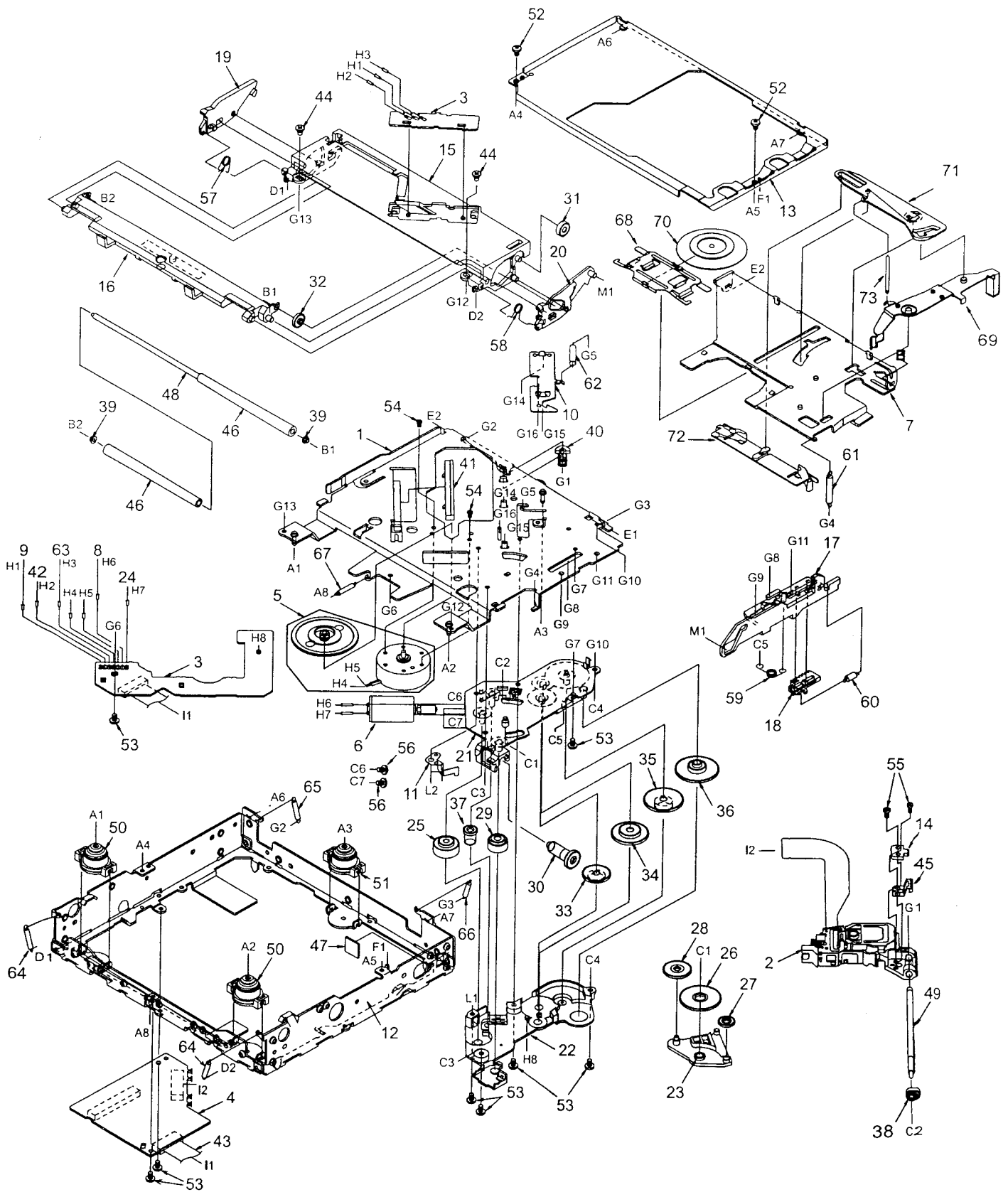
# BLOCK DIAGRAM

CD mechanism section 929-0221-80



# EXPLODED VIEW:

CD mechanism section 929-0221-80



# PARTS LIST:

CD mechanism section 929-0221-80

NO.	PARTS NO.	DESCRIPTION	QTY
1	966-0595-25	DRIVE PLATE ASSY	1
2	969-0065-30	PICK UP UNIT	1
3	039-1944-21	LED PWB (WITHOUT COMPONENT)	1
4	039-1945-20	CD PWB (WITHOUT COMPONENT)	1
5	SMA-182-100	MOTOR ASSY(SPINDLE)	1
6	SMA-183-100	MOTOR ASSY(SLED)	1
7	620-1022-24	CLAMPER LINK	1
8	803-4906-60	VINYL COAT WIRE(ORG)	1
9	816-2591-00	LEAD WIRE(YEL)	1
10	620-1025-22	ID-LOCK PLATE	1
11	620-1026-21	SPRING PLATE	1
12	620-1027-25	LOWER CHASSIS	1
13	620-1028-22	UPPER CHASSIS	1
14	966-0638-20	SH-RACK-ASSY	1
15	621-0598-26	UPPER GUIDE	1
16	621-0599-25	ROLLER GUIDE	1
17	621-0600-25	SHIFT LEVER	1
18	621-0601-21	RACK	1
19	621-0602-22	LOCK ARM(L)	1
20	621-0603-25	LOCK ARM(R)	1
21	621-0604-22	GEAR BASE	1
22	621-0605-22	GEAR COVER	1
23	621-0606-21	IDLE CASE	1
24	816-2590-00	VINYL COAT WIRE(GRN)	1
25	621-0608-21	SECOND GEAR	1
26	621-0609-20	BASE GEAR	1
27	621-0610-20	IDLE GEAR A	1
28	621-0611-20	IDLE GEAR B	1
29	621-0612-21	ROLLER GEAR A	1
30	621-0613-20	ROLLER GEAR B	1
31	621-0614-20	ROLLER GEAR C	1
32	621-0615-21	ROLLER GEAR D	1
33	621-0616-20	POWER GEAR A	1
34	621-0617-20	POWER GEAR B	1
35	621-0618-20	POWER GEAR C	1
36	621-0619-20	POWER GEAR D	1

NO.	PARTS NO.	DESCRIPTION	QTY
37	621-0620-20	THREAD GEAR A	1
38	621-0621-20	THREAD GEAR B	1
39	621-0622-21	ROLLER SLEEVE	2
40	621-0623-22	LS-HOLDER	1
41	621-0624-22	GUIDE RAIL	1
42	816-2593-00	LEAD WIRE(PUR)	1
43	816-2542-01	FLAT WIRE(10P)	1
44	716-3473-00	SCREW	2
45	621-0709-20	SH-BASE	1
46	621-0629-20	LOADING ROLLER	2
47	345-8704-20	CUSHION RUBBER	1
48	622-1571-21	ROLLER SHAFT	1
49	624-0018-01	LEAD SCREW	1
50	629-0081-20	DAMPER F	2
51	629-0082-20	DAMPER R	1
52	714-2003-81	MACHINE SCREW	2
53	716-1507-00	SCREW	8
54	716-1733-00	SCREW	2
55	716-3469-00	SCREW	2
56	716-3446-00	SCREW	2
57	750-3465-21	ROLLER SPRING(L)	1
58	750-3466-20	ROLLER SPRING(R)	1
59	750-3467-21	SHIFT SPRING	1
60	750-3468-20	RACK SPRING	1
61	750-3469-20	CLAMPER SPRING	1
62	750-3470-20	ID-LOCK SPRING	1
63	816-2592-00	LEAD WIRE(BLU)	1
64	750-3472-21	DR-SPRING F	2
65	750-3473-20	DR-SPRING RA	1
66	750-3474-20	DR-SPRING RB	1
67	750-3475-21	DR-SPRING C	1
68	620-1023-23	CLAMPER PLATE	1
69	620-1024-23	SENSOR ARM	1
70	621-0708-20	CLAMPER RING	1
71	621-0626-21	STOPPER LINK	1
72	621-0627-21	DISC STOPPER	1
73	750-3471-20	SENSOR SPRING	1

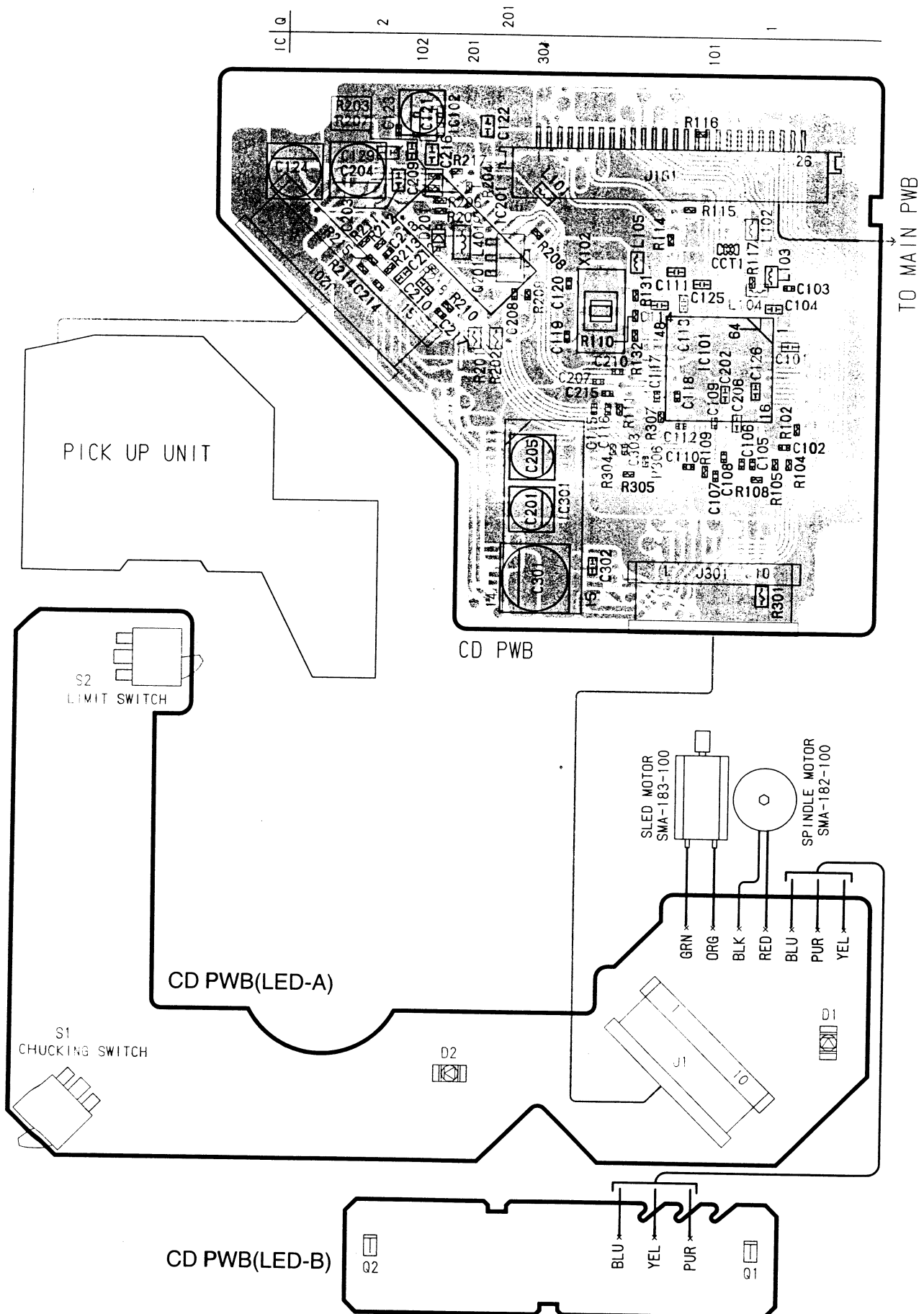
# ELECTRICAL PARTS LIST :

CD mechanism section 929-0221-80

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C 101	168-1042-78	0.1uF	C 209	168-1042-78	0.1uF	R 115	033-2211-15	1/16W 220 ohm
C 102	045-4701-50	47pF	C 210	043-0533-50	0.047uF	R 116	033-1031-15	1/16W 10k ohm
C 103	046-4722-58	4700pF	C 211	168-1042-78	0.1uF	R 117	033-1021-15	1/16W 1k ohm
C 104	168-1042-78	0.1uF	C 212	168-1042-78	0.1uF	R 131	033-4711-15	1/16W 470 ohm
C 105	046-1532-78	0.015uF	C 213	045-5096-50	5pF	R 132	033-2211-15	1/16W 220 ohm
C 106	046-1032-78	0.01uF	C 214	045-5601-50	56pF	R 201	117-2201-15	1/10W 22 ohm
C 107	046-1032-78	0.01uF	C 215	043-0533-50	0.047uF	R 202	117-2201-15	1/10W 22 ohm
C 108	046-4722-58	4700pF	C 216	178-1052-78	1uF	R 203	033-1041-15	1/16W 100k ohm
C 109	046-1522-58	1500pF	C 217	045-1011-50	100pF	R 204	033-1041-15	1/16W 100k ohm
C 110	046-3332-78	0.033uF	C 301	163-1073-35	16V 100uF	R 205	033-1541-15	1/16W 150k ohm
C 111	168-1042-78	0.1uF	C 302	168-1042-78	0.1uF	R 206	033-1541-15	1/16W 150k ohm
C 112	046-3332-78	0.033uF	C 303	043-0533-50	0.047uF	R 207	033-1041-15	1/16W 100k ohm
C 113	168-1042-78	0.1uF	D 201	001-0516-90	MA111	R 208	033-8231-15	1/16W 82k ohm
C 114	168-1042-78	0.1uF	IC 101	051-6376-00	TC94A14FA	R 209	033-6811-15	1/16W 680 ohm
C 115	046-4712-58	470pF	IC 102	051-3279-90	BA033LBSG	R 210	033-6831-15	1/16W 68k ohm
C 116	046-4712-58	470pF	IC 201	051-5710-90	TA2157F	R 211	033-1831-15	1/16W 18k ohm
C 117	043-0533-50	0.047uF	IC 301	051-6049-08	BA5983FP-E2	R 212	033-2721-15	1/16W 2.7k ohm
C 118	043-0533-50	0.047uF	J 101	074-1228-76	26P	R 213	033-1011-15	1/16W 100 ohm
C 119	045-2701-50	27pF	J 201	074-1138-65	15P	R 214	033-1021-15	1/16W 1k ohm
C 120	045-1801-50	18pF	J 301	074-1138-60	10P	R 215	033-1031-15	1/16W 10k ohm
C 121	163-1063-35	16V 10uF	L 101	010-2285-57	BLM21B102SPT	R 217	033-1041-15	1/16W 100k ohm
C 122	178-1052-78	1uF	L 102	010-2285-57	BLM21B102SPT	R 218	033-2211-15	1/16W 220 ohm
C 123	046-1032-78	0.01uF	L 103	010-2285-57	BLM21B102SPT	R 301	117-6811-15	1/16W 680 ohm
C 124	163-1073-05	4V 100uF	L 104	010-2285-57	BLM21B102SPT	R 304	033-3921-15	1/16W 3.9k ohm
C 125	168-1042-78	0.1uF	L 105	010-2285-57	BLM21B102SPT	R 305	033-3921-15	1/16W 3.9k ohm
C 126	168-1042-78	0.1uF	L 401	010-3050-93	10uH	R 306	033-1041-15	1/16W 100k ohm
C 129	178-1052-78	1uF	Q 201	131-1188-50	2SB1188	R 307	033-2211-15	1/16W 220 ohm
C 201	163-3363-05	4V 33uF	R 102	033-5621-15	1/16W 5.6k ohm	X 102	060-1528-90	16.934M
C 202	168-1042-78	0.1uF	R 104	033-4731-15	1/16W 47k ohm	D 1	001-7058-90	AN1105W-RR
C 203	178-1052-78	1uF	R 105	033-1041-15	1/16W 100k ohm	D 2	001-7058-90	AN1105W-RR
C 204	163-1073-05	4V 100uF	R 108	033-1531-15	1/16W 15k ohm	J 1	074-1138-60	10P
C 205	163-3363-05	4V 33uF	R 109	033-1031-15	1/16W 10k ohm	Q 1	060-4015-90	PS1192H
C 206	168-1042-78	0.1uF	R 110	033-1051-15	1/16W 1M ohm	Q 2	060-4015-90	PS1192H
C 207	043-0533-50	0.047uF	R 111	033-3321-15	1/16W 3.3k ohm	S 1	013-7414-50	CHUCKING
C 208	046-6822-58	6800pF	R 114	033-2211-15	1/16W 220 ohm	S 2	013-7413-50	LIMIT

# PRINTED WIRING BOARD :

CD mechanism section 929-0221-80





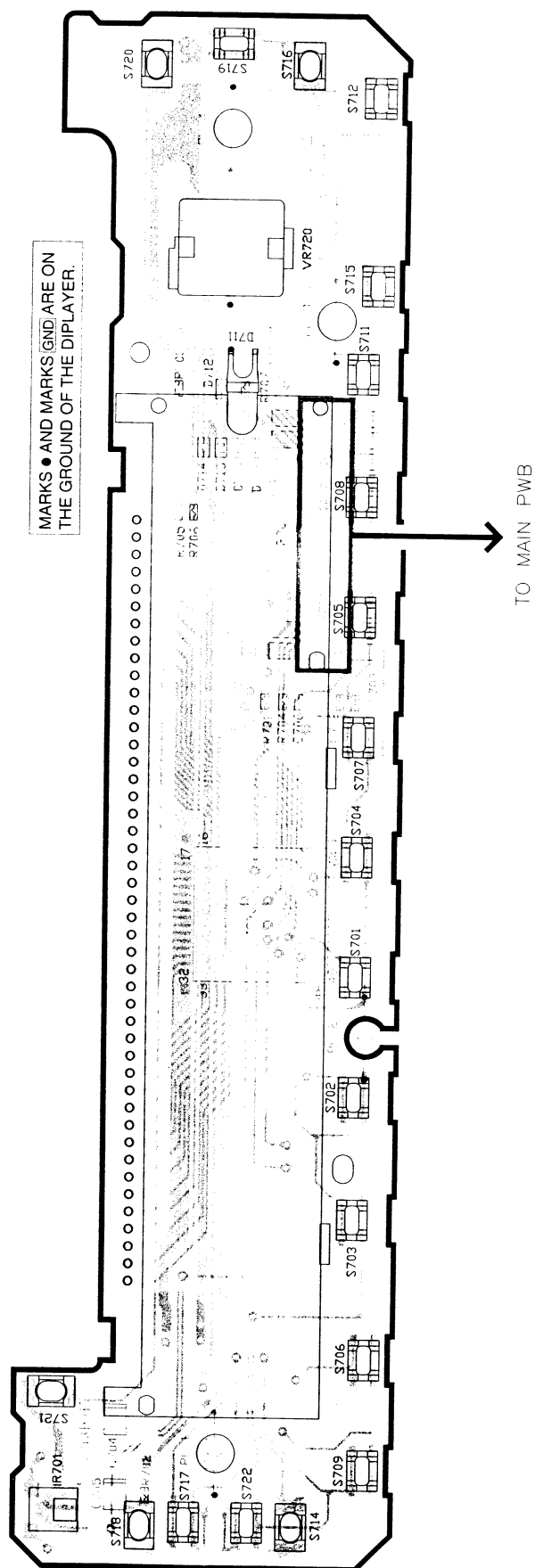
## CD mechanism section 929-0221-80

1	D-OUT
2	D-GND
3	ZMUTE
4	R-OUT
5	A-GND
6	L-OUT
7	5V
8	GND
9	BUS0
10	BUS1
11	BUS2
12	BUS3
13	BUCK
14	/CCE
15	/RESET
16	SBSY
17	SSTOP
18	CHU-SW
19	TR-B
20	TR-A
21	LCONT
22	LDOUT
23	P-GND
24	P-GND
25	8V
26	8V

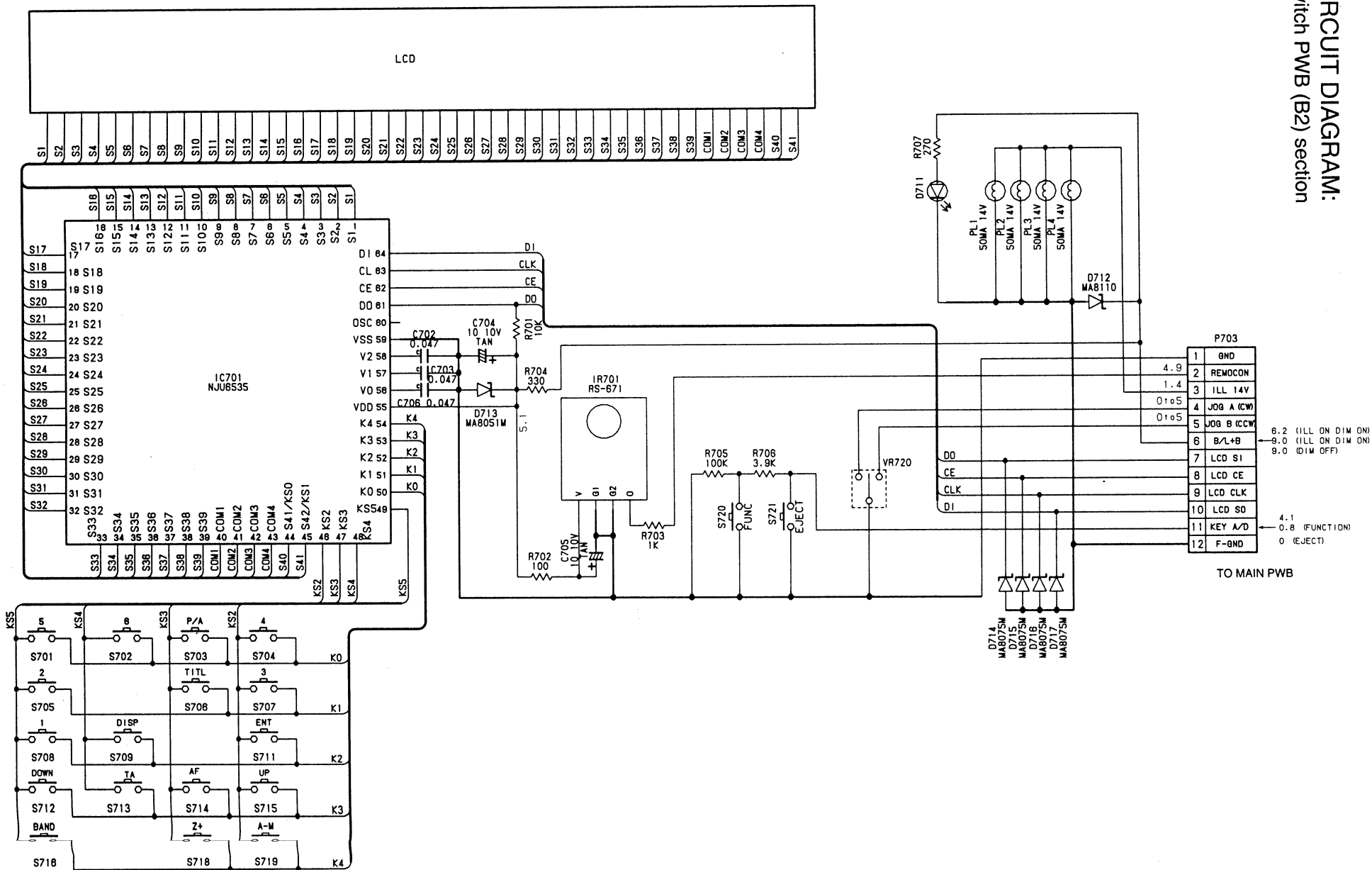


# PRINTED WIRING BOARD:

Switch PWB (B2) section

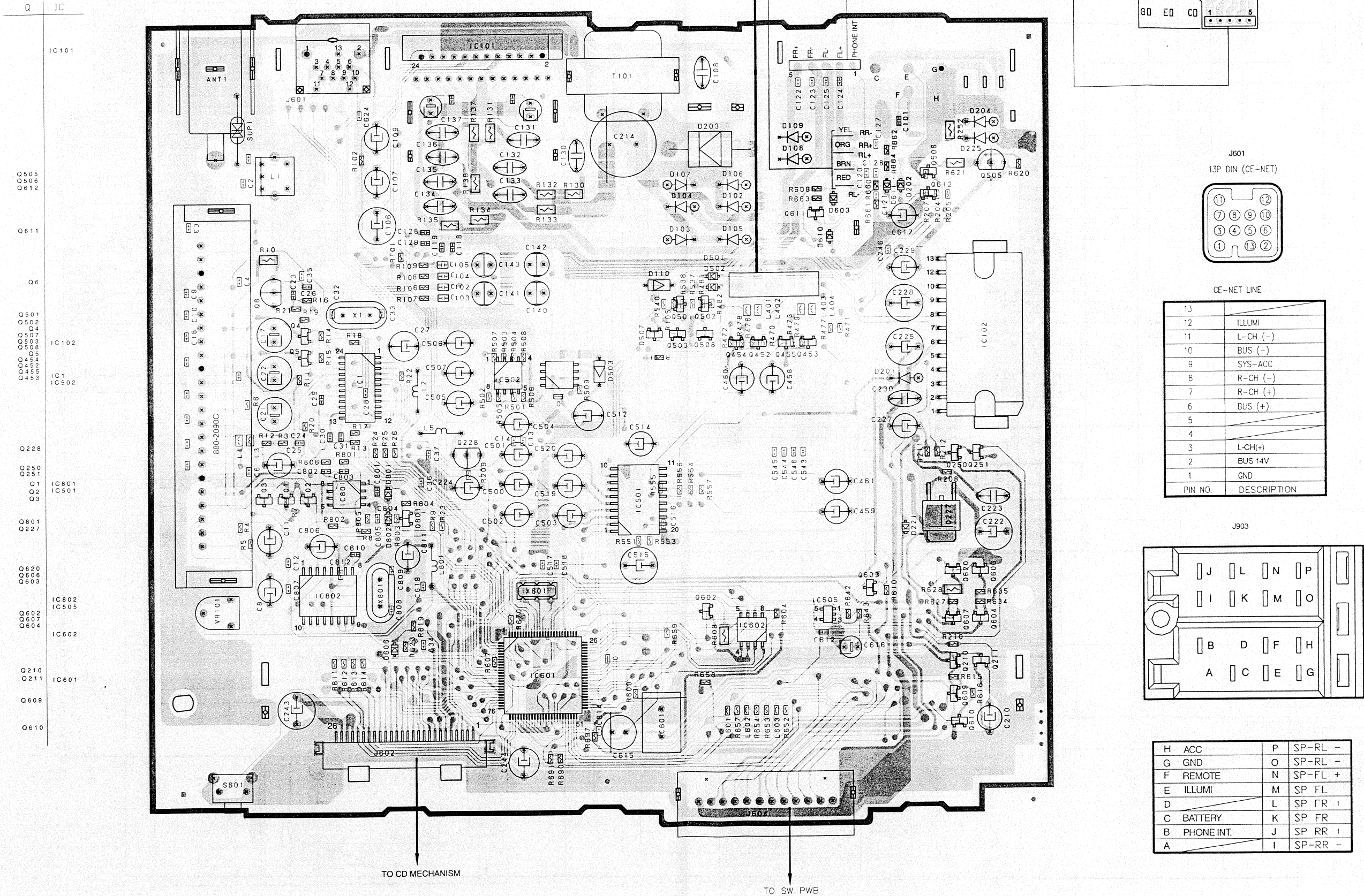


# CIRCUIT DIAGRAM: Switch PWB (B2) section



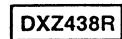
PRINTED WIRING BOARD:  
Main PWB (B1) / ISO PWB (B3) section

Marks ● and marks GND are on the ground of the DIP layer.

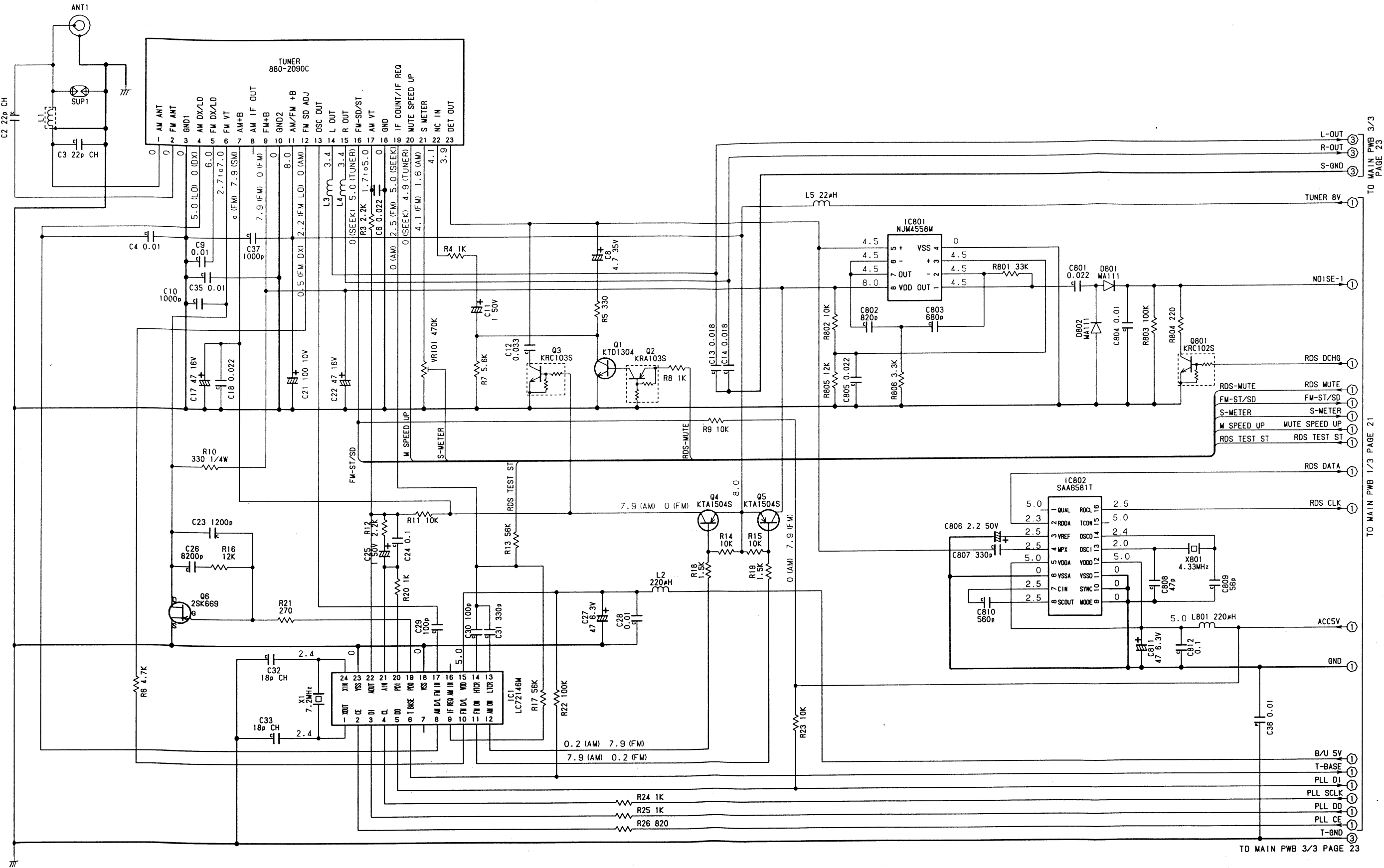




\*REF No. with "r(small letter)" like "r601" means a jumper wire.



CIRCUIT DIAGRAM:  
Main PWB (B1) section 2/3



Main PWB (B1) section 3/3      \*REF No. with "r(small letter)" like "r552" means a jumper wire.

